

Metals & Alloys in the Unified Numbering System



UNS 14th Edition

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ALUMINUM AND ALUMINUM ALLOYS

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UNIFIED NUMBER	DESCRIPTION	CHEMICAL COMPOSITION	CROSS REFERENCE SPECIFICATIONS
A03451	Aluminum Foundry Alloy, Ingot	Al rem Cr 0.10-0.30 Cu 0.20 max Fe 0.12 max Mg 0.30-0.55 Mn 0.10 max Ni 0.01 max Si 4.0-6.5 Sn 0.01 max Ti 0.10-0.25 Other: each 0.05 max, total 0.10 max	AA 345.1
A03452	Aluminum Foundry Alloy, Ingot	Al rem Cr 0.10-0.30 Cu 0.20 max Fe 0.10 max Mg 0.30-0.50 Mn 0.10 max Ni 0.01 max Si 4.0-6.0 Sn 0.01 max Ti 0.10-0.20 Other: each 0.05 max, total 0.10 max	AA 345.2
A03510	Aluminum Foundry Alloy, Casting	Al rem Cu 1.6-2.0 Fe 0.20 max Mg 0.25-0.45 Mn 0.05-0.35 Si 8.3-9.7 Ti 0.20 max V 0.08-0.30 Zr 0.08-0.30 Other: each 0.05 max, total 0.15 max	AA 351.0
A03511	Aluminum Foundry Alloy, Ingot	Al rem Cu 1.6-2.0 Fe 0.15 max Mg 0.30-0.45 Mn 0.05-0.35 Si 8.3-9.7 Ti 0.20 max V 0.08-0.30 Zr 0.08-0.30 Other: each 0.05 max, total 0.15 max	AA 351.1
A03520	Aluminum Foundry Alloy, Casting	Al rem Fe 0.08-0.20 Mg 0.10-0.60 Mn 0.35-0.65 Si 9.0-10.5 Ti 0.20 max Other: each 0.05 max, total 0.15 max	AA 352.0
A03521	Aluminum Foundry Alloy, Ingot	Al rem Fe 0.08-0.15 Mg 0.15-0.6 Mn 0.35-0.65 Si 9.0-10.5 Ti 0.20 max Other: each 0.05 max, total 0.15 max	AA 352.1
A03540	Aluminum Foundry Alloy, Casting	Al rem Cu 1.6-2.0 Fe 0.20 max Mg 0.40-0.6 Mn 0.10 max Si 8.6-9.4 Ti 0.20 max Zn 0.10 max Other: each 0.05 max, total 0.15 max	AA 354.0 AMS AMS-A-21180 (354.0) ASTM B108 (354.0); B275; B686 (354.0) SAE J452
A03541	Aluminum Foundry Alloy, Ingot	Al rem Cu 1.6-2.0 Fe 0.15 max Mg 0.45-0.6 Mn 0.10 max Si 8.6-9.4 Ti 0.20 max Zn 0.10 max Other: each 0.05 max, total 0.15 max	AA 354.1 ASTM B179 (354.1); B275
A03550	Aluminum Foundry Alloy, Casting	Al rem Cr 0.25 max Cu 1.0-1.5 Fe 0.6 max Mg 0.40-0.6 Mn 0.50 max Si 4.5-5.5 Ti 0.25 max Zn 0.35 max Other: each 0.05 max, total 0.15 max Note: If Fe exceeds 0.45, Mn shall not be less than 0.5xFe	AA 355.0 AMS 4210; 4212; 4214; 4245; 4280; 4281 ASME SFA5.10 (R-C355.0) ASTM B108 (355.0); B26 (355.0); B275; B618 (355.0); B917 (355.0) AWS A5.10 (R-C355.0) SAE J452 (322)
A03551	Aluminum Foundry Alloy, Ingot	Al rem Cr 0.25 max Cu 1.0-1.5 Fe 0.50 max Mg 0.45-0.6 Mn 0.50 max Si 4.5-5.5 Ti 0.25 max Zn 0.35 max Other: each 0.05 max, total 0.15 max Note: If Fe exceeds 0.45, Mn shall not be less than 0.5xFe	AA 355.1 ASTM B179 (355.1); B275
A03552	Aluminum Foundry Alloy, Ingot	Al rem Cu 1.0-1.5 Fe 0.14-0.25 Mg 0.50-0.6 Mn 0.05 max Si 4.5-5.5 Ti 0.20 max Zn 0.05 max Other: each 0.05 max, total 0.15 max	AA 355.2 ASTM B179 (355.2); B275
A03560	Aluminum Foundry Alloy, Casting	Al rem Cu 0.25 max Fe 0.6 max Mg 0.20-0.45 Mn 0.35 max Si 6.5-7.5 Ti 0.25 max Zn 0.35 max Other: each 0.05 max, total 0.15 max Note: If Fe exceeds 0.45, Mn shall not be less than 0.5 x Fe	AA 356.0 AMS 4217; 4260; 4261; 4284; 4285; 4286 ASTM B108 (356.0); B26 (356.0); B275; B618 (356.0); B917 (356.0); F626 (356.0) SAE J452 (323)
A03561	Aluminum Foundry Alloy, Ingot	Al rem Cu 0.25 max Fe 0.50 max Mg 0.25-0.45 Mn 0.35 max Si 6.5-7.5 Ti 0.25 max Zn 0.35 max Other: each 0.05 max, total 0.15 max Note: If Fe exceeds 0.45, Mn shall not be less than 0.5 x Fe	AA 356.1 ASTM B179 (356.1); B275
A03562	Aluminum Foundry Alloy, Ingot	Al rem Cu 0.10 max Fe 0.13-0.25 Mg 0.30-0.45 Mn 0.05 max Si 6.5-7.5 Ti 0.20 max Zn 0.05 max Other: each 0.05 max, total 0.15 max	AA 356.2 ASTM B179 (356.2); B275
A03570	Aluminum Foundry Alloy, Casting	Al rem Cu 0.05 max Fe 0.15 max Mg 0.45-0.6 Mn 0.03 max Si 6.5-7.5 Ti 0.20 max Zn 0.05 max Other: each 0.05 max, total 0.15 max	AA 357.0 AMS 4246 ASME SFA5.10 (RA-357.0) ASTM B108 (357.0); B275; B917 (357.0) AWS A5.10 (RA-357.0) SAE J452
A03571	Aluminum Foundry Alloy, Ingot	Al rem Cu 0.05 max Fe 0.12 max Mg 0.45-0.6 Mn 0.03 max Si 6.5-7.5 Ti 0.20 max Zn 0.05 max Other: each 0.05 max, total 0.15 max	AA 357.1 ASTM B179 (357.1)

*Entries with an asterisk are no longer active and are retained for reference purposes only.

The chemical compositions listed are for identification purposes and should not be used in lieu of the cross-referenced specifications.

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